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TITLE : MATERIAL FOR FEEDING IRON TO CROP PLANT

ABSTRACT : PROBLEM TO BE SOLVED: To provide a material for feeding iron to crop plants by using a biodegradable specific iron compound which does not remain in the environment after the crop plants absorb iron thereby preventing iron deficiency of the crop plants and improving their quality.

SOLUTION: A biodegradable iron chelate compound is used as an active ingredient. The chelate compound is, for example, an iron chelate of aspartic N-monoacetic acid, glutamic N,N-diacetic acid, or imino-disuccinic acid. This chelate compound may be a mixture of optically active isomers such as an iron chelate of (S)-aspartic N-monoacetic acid or (S,S)-ethylenediamine N,N'- disuccinic acid. The amount of the material to be applied to the crop plants is usually 0.001-100,000ppm, preferably 0.01-10,000ppm. This material can be applied to fruit trees such as orange, apple or pear, vegetable fruits such as cucumber, melon or water melon and vegetables such as radish or carrot.

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